## (19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 17 February 2005 (17.02.2005)

## (10) International Publication Number

(51) International Patent Classification7: B01F 15/04

F04B 13/00.

WO 2005/015018 A1

(21) International Application Number:

PCT/EP2004/007950

(22) International Filing Date: 16 July 2004 (16.07.2004)

(25) Filing Language:

**English** 

(26) Publication Language:

English

(30) Priority Data:

203 11 029.3

17 July 2003 (17.07.2003)

(71) Applicant (for all designated States except US): COOPER CAMERON CORPORATION [US/US]; 1333 West Loop South, Suite 1700, Houston, TX 77027-9109 (US).

(72) Inventor; and

(75) Inventor/Applicant (for US only): BIESTER, Klaus [DE/DE]; Am Maschsee 2, 29342 Wienhausen (DE).

(74) Agent: ROTHAEMEL, Bernd; Grünecker, Kinkeldey, Stockmair & Schwanhäusser, Maximilianstrasse 58, 80538 München (DE).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

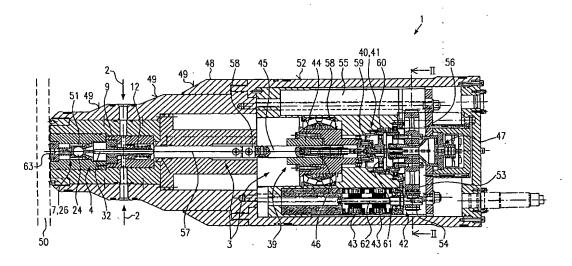
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

## Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: DOSAGE FEED DEVICE FOR ADDITIVE FLUIDS



(57) Abstract: Metering device (1) in particular for metering an additive (2) in the field of oil exploration with a metering element (4) adjustable by an adjusting means. To improve such a metering device in that already with minimal movement of the adjusting means in a constructive simple way a particular amount of additive is added to raw material and also to quickly interrupt the metering, the metering element (4) comprises a metering gap (5) and a valve means (7) arranged behind the metering gap downstream in fluids moving direction (6).

2005/015018 A1